# https://encrypted-tbn3.google.com/images?q=tbn:ANd9GcTLAZpQzmzAPnXtyNCq1onsRE4y0bvoWlMvd3YA8Lt715oLXEJxWAIT 5302 Intro Web Study Guide Module 3: CSS Prepared by Jack G. Zheng, Spring 2015

## Overview and learning outcomes

CSS (cascading style sheet) plays the styling role which complements HTML’s content and structure role.

1. Explain the basic role and syntax of CSS.
2. Compare and use three style creation methods: in-line, in-page, and external style file.
3. Compare and use three kinds of selectors: HTML tag, id, and class.
4. Use <div> and <span> tags effectively for grouping content and layout.
5. Create basic CSS for an HTML document involving the following elements:
   1. Color and background
   2. Text and font: size, color, alignment
   3. Link: :hover
   4. List: list-style
   5. Box model: border, margin, padding, etc.
   6. Basic layout: float

## Reading list

1. Tutorial videos and examples. Please follow the video to create example files.
   1. CSS: <http://www.youtube.com/watch?v=om9WoKibHa4> to be used with the next item.
   2. CSS examples “lecture and lab example.zip” provided by the instructor.
   3. Use browser tools: <https://www.youtube.com/watch?v=GJuQbxAhN1w>
2. Core online learning materials. Again, choose the one that fits to your learning style and technical foundation. Follow the tutorial to complete the hands-on examples.
   1. <http://www.w3schools.com/css/> - read the following sections and practice the examples online.
      1. “CSS Tutorial”: “CSS Home” to “CSS Display” (Tables and Outline optional).
      2. Others optional if you have more time.
   2. Online tutorial <http://www.codecademy.com/tracks/web> - complete section 4 to 6 (Introduction to CSS, CSS Classes and IDs, CSS Element Positioning).
3. Examples and references
   1. Quick reference: <http://w3schools.com/cssref/default.asp>
   2. More examples: <http://w3schools.com/css/css_examples.asp>
4. Additional readings and resources
   1. <http://www.slideshare.net/randyconnolly/css-introduction-16532261>
   2. If you are interested and have more time, learn to use CSS for: layout, and dynamic menus
      1. <http://cssmenumaker.com/>
      2. <http://www.dynamicdrive.com/style/layouts/>
   3. <http://msdn.microsoft.com/en-us/library/ie/bg124103.aspx>

## Task list

1. Exercise (no submission; practice until you feel comfortable and confident to complete the assignment):
   1. Complete the CSS lab and exercise. Summarize all mistakes you have made during the exercise.
   2. Practice “Try it yourself” w3schools examples at <http://w3schools.com/css/css_examples.asp> if needed.
2. Self-assessment: <http://www.w3schools.com/css/css_quiz.asp> - complete this quiz for yourself.
3. Assignment: complete assignment #2
4. Assessment: complete quiz #2 (HTML and CSS).